



**Facts**

**General description**

Part number	630002505
Life cycle status	Active
Warranty	2 year

**Certifications**

General	CE, FCC, KCC, UL 61010-2-201
Marine	KR, LR, ABS, CCS, NK, DNV GL, BV, RS
Safety	UL 61010-1, UL 61010-2-201, CAN/CSA-C22.2 No. 61010-1, CAN/CSA-C22.2 No. 61010-2-201

**Mechanical**

Mechanical size	204 x 143 x 50mm
Mounting option	Panel Mount, VESA 75 x 75
Number of touches	1million finger touch operations
Touch type	Resistive
Cut-out size	189 x 128mm
Weight	0.8 kg
Housing material	Powder-coated aluminum, Black

**Power**

Input voltage	24 V DC (18 to 32 VDC)CE: The power supply must conform with the requirements according to IEC 60950 and IEC 61558-2-4.UL and cUL: The power supply must conform with the requirements for class II power supplies.
Power consumption (max)	14.4W
Input fuse	Internal DC fuse

**System**

CPU	i.MX6Solo Single Cortex-A9 1.0GHz 512kBL2cache
RAM	512 MB
FLASH	2GB SSD(eMMC), 1.5GB free for application

**Display**

Size diagonal	7" diagonal
Resolution	800x480 pixels
Backlight	LED Backlight
Backlight life time	50000 hours
Backlight brightness	500 cd/m2
Backlight dimming	Marine optimized dimming
Display type	TFT-LCD with LED backlight

**Smart Engineering Resources**

**X2 marine 7**

**7" HMI with iX runtime**

800 × 480 pixel (16:9) TFT-LCD touch screen  
 1.5 GB application memory  
 Ethernet 1x100 Mbit  
 CE, FCC, KCC, UL approvals  
 DNV GL, KR, LR, ABS, CCS, BV, NK, RS marine approvals

**Serial communication**

Number of serial ports	1 Port 9pin DSUB
Serial port 1	RS 232 (RTS/CTS)
Serial port 2	RS422/485
Serial port 3	RS485 (only if COM 2 is RS485)

**Ethernet communication**

Number of Ethernet ports	1
Ethernet port 1	1x10/100 Base-T (shielded RJ45)

**Communication CAN**

Number of CAN ports	1
CAN port 1	0.5 MBit

**Expansion interface**

Expansion port	Yes, ciX expansion module
SD card	SD and SDHC
USB	1xUSB 2.0 500mA

**Environmental**

Operating temperature	-10°C to +60°C
Storage temperature	-20°C to +70°C
Shock	15g, half-sine, 11ms according to IEC60068-2-27
Vibration	1g, according to IEC 60068-2-6, Test Fc
Sealing front	IP65, NEMA 4X/ 12 and UL 50E Type 4X/ 12
Sealing back	IP20
Humidity	5% – 85% non-condensed